

=> file ca

09/88 7569

=> s (somatotropin? or growth(w)hormone?)/ab,bi

L1 40805 (SOMATOTROPIN? OR GROWTH(W)HORMONE?)/AB,BI

CAS  
Biosis  
USpat 11

=> s (seed or seeds)/ab,bi

L2 145416 (SEED OR SEEDS)/AB,BI

12/4/82

=> s l1(10a)l2

L3 41 L1(10A)L2

=> s somatotropin?/ab,bi

L4 11702 SOMATOTROPIN?/AB,BI

=> s l2(10a)l4

L5 6 L2(10A)L4

=> s l2 and l4

L6 19 L2 AND L4

=> file biosis

=> s l6

L7 10 L2 AND L4

=> dup rem

L8 23 DUP REM L6 L7 (6 DUPLICATES REMOVED)

=> d l8 1-23 py ti

=> d l8 4 8 9 11 17 21

L8 ANSWER (17) OF 23 CA COPYRIGHT 2002 ACS

AN 116:52952 CA

TI \*\*\*Seed\*\*\* -specific gene expression cassettes for protein manufacture  
with plants

IN Slightom, Jerry Laverne; Chee, Paula Po

PA Upjohn Co., USA

SO PCT Int. Appl., 58 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9113993	A1	19910919	WO 1991-US887	19910214
	AU 9175836	A1	19911010	AU 1991-75836	19910214
	EP 519011	A1	19921223	EP 1991-907063	19910214
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 05505525	T2	19930819	JP 1991-506550	19910214
PRAI	US 1990-489175		19900305		
	WO 1991-US887		19910214		

L8 ANSWER (21) OF 23 CA COPYRIGHT 2002 ACS

AN 108:125913 CA

TI Genetic transformation of plant cells

IN Ledoux, Lucien Gaspard Henri

PA Centre d'Etude de l'Energie Nucleaire (CEN), Belg.

SO Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DT Patent  
LA French  
FAN/CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 241963	A1	19871021	EP 1987-200474	19870313
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 62253327	A2	19871105	JP 1987-71328	19870325
PRAI	LU 1986-86372		19860326		

=> d 18 8 9 11 17 21 ab

L8 ANSWER 17 OF 23 CA COPYRIGHT 2002 ACS

AB \*\*\*Seed\*\*\* -specific gene expression cassettes which can be used for manufg. proteins with plants are described. The cassette comprises (1) a promoter of the phaseolin (P) gene, the .alpha.' subunit of .beta.-conglycinin (C) gene, or the .beta.-zein (Z) gene; (2) a translation initiation signal from the P, C, Z, or an animal gene; (3) a gene selected from an animal gene or the brazil nut 2S storage protein; and (4) a poly A signal from an animal gene or the P gene. The regulatory region is flanked by restriction sites to allow exchange of regulatory regions. An expression cassette contg. the P gene regulatory region and bovine \*\*\*somatotropin\*\*\* cDNA was prepd. Transgenic tobacco plants contg. this expression cassette were produced using std. methods. \*\*\*Somatotropin\*\*\* was found in the protein storage bodies of the \*\*\*seeds\*\*\* from these plants.

L8 ANSWER 21 OF 23 CA COPYRIGHT 2002 ACS

AB Plant cells are transformed with DNA by soaking grain, spores, or excised embryos, which have been dried to <10 wt.% water, in a soln. contg. the DNA. Peeled grain of Hordeum vulgare was sterilized with Na hypochlorite and dried to <5 wt.% water. They were individually soaked with 150 .mu.L soln. contg. pc hGH 800, a vector encoding human growth hormone, for 3 days. Plants were regenerated from these grains, the plant tissue was homogenized, and growth hormone was purified from the homogenate.

=> file uspatfull

=> s 16

L9 83 L2 AND L4

=> s 15

L10 3 L2(10A)L4

=> d 110 1-3

=> d 110 3 ab

=> log y

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09/887,569

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L6 and I4

32

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JPO Abstracts Database

EPO Abstracts Database

Derwent World Patents Index

Database: IBM Technical Disclosure Bulletins

Search:

L7

Refine Search

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Clear

## Search History

DATE: Wednesday, December 04, 2002 [Printable Copy](#) [Create Case](#)Set Name Query

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Hit Count Set Name

result set

DB=USPT; PLUR=YES; OP=OR

<u>L7</u>	L6 and I4	32	<u>L7</u>
<u>L6</u>	(growth adj hormone\$) and ((800/288 )!.CCLS. )	36	<u>L6</u>
<u>L5</u>	I4 and I3	52645	<u>L5</u>
<u>L4</u>	seed or seeds	79398	<u>L4</u>
<u>L3</u>	growth(w)hormone\$ and ((800/288 )!.CCLS. )	887096	<u>L3</u>
<u>L2</u>	growth(w)hormone\$ and 800/288.ccls	887095	<u>L2</u>
<u>L1</u>	somatotropin? and ((800/288 )!.CCLS. )	1	<u>L1</u>

5,723,755  
5,677,474

END OF SEARCH HISTORY